

## ABSTRACT

According to this invention, by introducing genes encoding hexulose-6-phosphate synthase and 6-phosphohexulose isomerase into a plant 5 to have the genes expressed in the chloroplast of the plant, a transgenic plant having a pathway to assimilate formaldehyde through the Calvin cycle is provided. The transgenic plant according to this invention has resistance to formaldehyde and is capable of reducing the level of environmental formaldehyde significantly. Therefore, it is assumed that the transgenic 10 plant according to this invention can be used to purify environmental condition, by placing it in a residence or in an office.